

THE ASSISTANT COMMISSIONER FOR PATENTS  
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Alexandria, VA 22313-1450  
Assignee Name: International Business Machines Corporation  
Assignee Residence: Armonk, New York

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DATE: 12/10/2003

Sir:

Transmitted herewith for filing is the Patent Application of:  
Inventors: Michael Wayne Brown, Michael A. Paolini, Newton James Smith, Jr., Lorin Evan Ullmann and Cristi Nesbitt Ullmann

For: **A SPEECH IMPROVING APPARATUS, SYSTEM AND METHOD**

Enclosed are:

- ☒ Patent Specification and Declaration
- 8 sheets of drawing(s). (Informal/Formal)
- ☒ An assignment of the invention to International Business Machines Corporation (includes Recordation Form Cover Sheet).
- ☐ A certified copy of a ☐ application.
- ☒ Information Disclosure Statement, PTO 1449 and copies 10 of references.

The filing fee has been calculated as shown below:

For	Number Filed	Number Extra	Rate	Fee
Basic Fee:				\$ 770.00
Total Claims:	30 - 20	10	x 18 =	\$ 180.00
Indep. Claims	4 - 3	1	x 86 =	\$ 86.00
MULTIPLE DEPENDENT CLAIM PRESENTED	0	x	280 =	\$ 0.00
TOTAL				\$1036.00

☒ Please charge my Deposit Account No. 09-0447 in the amount of \$1036.00. A duplicate copy of this sheet is enclosed.

☒ The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account 09-0447. A duplicate copy of this sheet is enclosed.

☒ Any additional filing fees required under 37 CFR 1.16.

☒ Any patent application processing fees under 37 CFR 1.17.

Respectfully submitted,  
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